

AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1-15 (cancelled).

16. (new) An oscillator having a vibrating reed and an integrated circuit housed in a package, said vibrating reed comprising:

- a mounting base for mounting the vibrating reed to an object;

- an elongated vibration arm formed so as to protrude from a fixed end at the base to a free end spaced apart from the base;

- at least one through groove formed on said vibration arm; and

- a rigidity reinforcing section spanning the through groove.

17. (new) An electronic device using a vibrator which is connected to a control section, said vibrator having a vibrating reed housed in a package, said vibrating reed comprising:

- a mounting base for mounting the vibrating reed to an object;

- an elongated vibration arm formed so as to protrude from a fixed end at the base to a free end spaced apart from the base;

- at least one through groove formed on said vibration arm; and

- a rigidity reinforcing section spanning the through groove.